

Basic Instructions and Product Selection Guide



E·las·tek®

CERTIFIED COOL ROOF COATINGS



We make roof coating easy!
www.elastek.com

1. Clean



Clean Roof with TSP or TSP Substitute and water or gently power wash to remove dirt, contaminants, and loose or chalky coatings.

- Inspect for roof damage, open seams, cracks, or gaps in flashing; evidence of ponding water, blisters, peeling coatings.
- Spot-clean and repair identified leaks. Allow repairs to fully cure before cleaning entire roof.
- Mix TSP or TSP Substitute in a large bucket of water per manufacturer's directions.
- Wet roof with cleaning solution and use broom to spread.
- Scrub dirty areas with a broom.
- Rinse thoroughly to remove cleanser.
- Allow roof system to dry thoroughly. Water trapped inside roof system will lead to coating blisters.

Tips: New coatings adhere much better to a clean surface. Clean and rinse roof in sections, Rinse water off plants, walls, walks before drying to remove TSP/TSP Substitute residue.

Tools Required: ladder, garden hose, large bucket, push broom, TSP, sunscreen, sunglasses, water, hat

2. Prep & Repair



Fix leaks; fill low areas; patch cracks and open seams; seal roof penetrations.

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- Repair roof leaks with Crack & Joint Sealant and Polytek Fabric.
- Use a paintbrush or putty knife to apply Crack & Joint Sealant to fill gaps, open seams, open blisters, cracking stucco.
- Apply a thick coat of Crack & Joint Sealant around all roof penetrations, skylights, vents, duct work, and flashings.
- To strengthen repairs, embed roof fabric into wet sealant, then apply a second thick coat of sealant.
- Apply Puddle Plaster to fill ponding areas as needed.
- Wire-brush rusted areas; coat with a rustproof primer.
- Allow repairs to cure and dry thoroughly prior to coating.

Tips: Make repairs to a clean roof. Roof should be leak-proofed before top coating. Worn-out roofs should be referred to a professional roofing contractor.

Tools Required: ladder, paintbrush, scissors, trowel for Puddle Plaster, pail of water to wash up tools, sunscreen, sunglasses, water, hat

3. Coat



Apply the appropriate E-las-tek® topcoat according to package directions.

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- Select an E-las-tek® topcoat based on drainage conditions and service life desired. (See reverse)
- Apply in warm weather when no rain is forecast.
- In hot weather, apply during cool part of day. Sunlight can quickly make non-white surfaces too hot to coat. Roof surface temperature must be below 115 °F.
- Pre-coat ponding areas and repairs.
- Pour and spread coating on roof using a 1/2" nap roller cover or dip roller in the pail and spread using a 1 1/4" nap roller cover.
- Apply a very thick, even coating, 100 sq. ft. per gallon.
- Allow a minimum of 8-24 hours before applying next coat.
- Use a paintbrush for hard-to-reach areas.
- Clean tools in water and seal containers tightly.

Tips: Coating thickness determines service life and water resistance. Multiple coats out-perform single, thicker coats. Premium coatings have better standing water resistance and service life.

Tools Required: ladder, roller frame, extension pole, 1/2" or larger roller cover, paintbrush, rags, sunscreen, sunglasses, water, hat

How much E-las-tek® coating do you need?

The durability and service life of your roof coating is dependent on its thickness when dry. It is essential that you calculate how much product you need, then apply ALL of it evenly, regardless of how many coats it takes.

Here's how to calculate the amount of topcoat you'll need:

Step 1 – Add up the total square feet of area to be coated. Be sure to include any overhangs, vertical surfaces, and roofs over storage, patios, carports, and garages.

Step 2 – Divide the total square feet by 100. The answer is the number of gallons of topcoat you will need for a single coat.

Step 3 – Decide how many coats you need to apply. Many people apply a single maintenance coat every few years. For maximum durability and to qualify for E-las-tek®'s Service Life Warranty, 2 or 3 coats must be applied.

Acceptable Roof Types for Coating: Built-up asphalt (BUR), granular roll roofing, previously-coated foam (SPF), and metal. Consult E-las-tek® before coating single-ply, or “rubber,” roof membranes.

Surfaces NOT Suitable for Coating: Worn-out or water-saturated roofs of any type, tile, shingles, and surfaces treated with adhesion-resistant materials such as silicone or Kynar®.

Note: User is responsible for selecting the proper coating, proper cleaning and repairing of surfaces to be coated, and applying coating(s) at the specified coverage rate. See pail label or Technical Data Sheet (TDS). Coatings should be applied when ambient temperature is at least 55°F and rising, but below 100°F. Temperature of surface to be coated must not exceed 115°F. Do not apply when rain, frost, or dew is possible. Allow 4 hours drying time before dark in cool weather.

Choosing the right E-las-tek® topcoat for your roof is easy.

First, consider how well your roof sheds water. Roofs that take longer to dry off after a rain require higher grades of topcoats.

Next, consider how long you want to wait before coating again. Coatings erode over time and must be reapplied. Even if your roof drains well, using a better coating means additional years before your next recoat.

* Visit www.elastek.com for warranty details, including requirements, limitations and exclusions.

Product Selection Guide

E-las-tek® Acrylic Roof Coatings

120 Solar Tek Extreme

Solar Tek Extreme is our state of the art elastomeric topcoat. Offers strong adhesion, excellent water resistance and lasting durability. Resists dirt pickup and stays bright. True 5-gallon pail. Low VOC. SCAQMD Compliant. White version satisfies ASTM D6083, Title 24, and Energy Star. Warranty up to 11 Years.*

Colors: White, Desert Tan, Energy Tan

114 The Shield

The Shield is the best low-priced topcoat you can buy. Engineered to beat home center coatings on price AND performance. High reflectivity and energy savings. True 5-gallon pail. Low VOC. SCAQMD Compliant. Satisfies Title 24 and Energy Star. Warranty up to 7 Years.*

Color: White

Roof Repair Products

103 Crack & Joint Sealant

Crack & Joint Sealant is a thick, white, multi-purpose repair compound. Water-borne acrylic, contains no asphalt, allowing for quick cure. Forms a tough, rubbery, and crack-resistant repair. May be reinforced with PolyTek Roofing Fabric. Low VOC. SCAQMD Compliant.

Color: White

Polytek Roofing Fabric

PolyTek Roofing Fabric is a flexible and tear-resistant fabric used for reinforcing repairs made with Crack & Joint Sealant. Conforms to irregular surfaces, making repairs easy.

505 Puddle Plaster

Puddle Plaster is a lightweight, trowel-grade filler used to eliminate or reduce small ponds of water that form after rain, particularly around scuppers. Must be topcoated.

Color: Black

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